

Title (en)  
ROCK DRILLING RIG, METHOD FOR ROCK DRILLING, AND CONTROL SYSTEM OF ROCK DRILLING RIG

Title (de)  
STEINBOHRVORRICHTUNG, STEINBOHRVERFAHREN UND STEUERSYSTEM FÜR DIE STEINBOHRVORRICHTUNG

Title (fr)  
INSTALLATION DE FORAGE DE ROCHE, PROCÉDÉ DE FORAGE DE ROCHE, ET SYSTÈME DE COMMANDE D'INSTALLATION DE FORAGE DE ROCHE

Publication  
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Application  
**EP 11746922 A 20110224**

Priority

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- FI 2011050166 W 20110224

Abstract (en)  
[origin: WO2011104441A1] The invention relates to a rock drilling rig, a method for rock drilling and a control system of a rock drilling rig. The rock drilling rig (1) comprises a drilling unit (6) for drilling drill holes (21) as a drill hole pattern. The location of the drilling unit is determined and the control unit (16) is arranged to control by means of a control member (19), on the basis of the given target position, actuators (19) influencing the position of the drilling unit. Each individual direction of motion of the control member is arranged to influence the target position in relation to only one coordinate or direction angle. Further, the directions of motion of the control member are arranged to be intuitive in relation to the directions of motion of the drilling unit.

IPC 8 full level  
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Citation (search report)

- [A] WO 2007000488 A1 20070104 - SANDVIK MINING & CONSTR OY [FI], et al
- [A] WO 2007026052 A1 20070308 - SANDVIK MINING & CONSTR OY [FI], et al
- [A] WO 2008078001 A1 20080703 - SANDVIK MINING & CONSTR OY [FI], et al
- See references of WO 2011104441A1

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**WO 2011104441 A1 20110901**; AU 2011219683 A1 20121011; AU 2011219683 B2 20140814; CA 2789957 A1 20110901; CN 102782241 A 20121114; CN 102782241 B 20150701; EP 2539530 A1 20130102; EP 2539530 A4 20180214; EP 2539530 B1 20190327; FI 20105185 A0 20100225; FI 20105185 A 20110826; JP 2013520591 A 20130606; JP 5619189 B2 20141105; ZA 201206305 B 20130424

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